

Senior Engineer (Guidelines only)

Role

The Senior Engineering has overall responsibility for the technical delivery of all projects allocated to him.

The Senior Engineer will work closely with the Project Manager to ensure that the solution provided is of minimum cost whilst being technically acceptable and in accordance with the client specifications and the HGS offer.

A Senior Engineer is expected to be a committed and enthusiastic team member.

The Engineering Manager will provide guidance and support to the Senior Engineer, when required, on all matters related to the execution of his duties.

The Senior Engineer will be flexible and willing to undertake other engineering roles when necessary. The following is the guidance of the responsibilities but is not limited to.

Objectives

- **Bid Strategy** – Where necessary, attend the final bid evaluation meeting in order to understand and contribute to the envisaged strategy for winning the order and maximising the returns.
- **Strategy Development** - In conjunction with the Project Manager further develop the strategy for maximising the commercial returns on the project.
- **Planning** - In conjunction with the Project Manager identify the obligations, both in terms of activities and timescales, of all parties - client, HGS project staff, HGS non-project staff & sub-Projectors - involved in the delivery of the project.
- **Design and Development Management** - Ensure that both the design and the implementation methodology adopted minimise the overall cost to HGS.
- **Production Management** - Ensure that all the tasks and procurement necessary for completion of the project are identified and completed within the requisite timescales and budgets.
- **Opportunity Management** - Identify opportunities to increase the scope of current project or to generate further project work.
- **Scope Management** - Ensure that no additional element of scope is engineered unless there is a commercial benefit to HGS either in the form of savings or an increase in overall order value.
- **Customer Management** - Primary contact for all technical and implementation aspects of the project. Close co-operation with the Project Manager is required to ensure a co-ordinated and consistent approach to the customer.
- **Sub-Project Management** - Development of technical specifications for sub-Projected works and the management of the works such that the requisite delivery timescales and quality standards are achieved.
- **Team Management** - Ensure that team members are provided with the requisite task definitions, information and tools to perform the allocated tasks.
- **Quality Management** - Define and manage the quality objectives for the project, ensuring that they are appropriate to the client and project.
- **Other**
 - Development of FDS

- Development of DDS
- Develop sub Project works specification
- Development of Test Specification & design testing methodology
- Development of project modules. (Modules as identified in the design – PLC code modules, SCADA scripts, Mimics, comms drivers, electrical design, computer software module, database module, etc.)
- Develop site-work documentation (Risk assessment, method statement, site test documentation)
- Develop O & M documentation
- Undertake full integrated system testing
- Undertake CFAT
- Undertake observation, variations and reworks
- Undertake packing and shipping of the system
- Undertake site installation works
- Undertake site re-testing